



SEQUENCE LISTING

<110> Dunn-Coleman, Nigel
Goedegebuur, Frits
Ward, Michael
Yao, Jian

<120> EGVIII Endoglucanase and Nucleic Acids
Encoding the Same

<130> GC700

<140> US 10/028,245

<141> 2001-12-18

<160> 5

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1826

<212> DNA

<213> Trichoderma reesei

<400> 1

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 <212> PRT
 <213> Trichoderma reesei

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 35 40 45
 Glu Asp Asp Gly Leu Asn Val Phe Arg Ile Ser Ala Thr Trp Gln Phe
 50 55 60
 Val Leu Asn Asn Thr Val Asp Gly Lys Leu Asp Glu Leu Asn Trp Gly
 65 70 75 80
 Ser Tyr Asn Lys Val Val Asn Ala Cys Leu Glu Thr Gly Ala Tyr Cys
 85 90 95
 Met Ile Asp Met His Asn Phe Ala Arg Tyr Asn Gly Gly Ile Ile Gly
 100 105 110
 Gln Gly Gly Val Ser Asp Asp Ile Phe Val Asp Leu Trp Val Gln Ile
 115 120 125
 Ala Lys Tyr Tyr Glu Asp Asn Asp Lys Ile Ile Phe Gly Leu Met Asn
 130 135 140
 Glu Pro His Asp Leu Asp Ile Glu Ile Trp Ala Gln Thr Cys Gln Lys
 145 150 155 160
 Val Val Thr Ala Ile Arg Lys Ala Gly Ala Thr Ser Gln Met Ile Leu
 165 170 175
 Leu Pro Gly Thr Asn Phe Ala Ser Val Glu Thr Tyr Val Ser Thr Gly
 180 185 190
 Ser Ala Glu Ala Leu Gly Lys Ile Thr Asn Pro Asp Gly Ser Thr Asp
 195 200 205
 Leu Leu Tyr Phe Asp Val His Lys Tyr Leu Asp Ile Asn Asn Ser Gly
 210 215 220
 Ser His Ala Glu Cys Thr Thr Asp Asn Val Asp Ala Phe Asn Asp Phe
 225 230 235 240
 Ala Asp Trp Leu Arg Gln Asn Lys Arg Gln Ala Ile Ile Ser Glu Thr
 245 250 255
 Gly Ala Ser Met Glu Pro Ser Cys Met Thr Ala Phe Cys Ala Gln Asn
 260 265 270
 Lys Ala Ile Ser Glu Asn Ser Asp Val Tyr Ile Gly Phe Val Gly Trp
 275 280 285
 Gly Ala Gly Ser Phe Asp Thr Ser Tyr Ile Leu Thr Leu Thr Pro Leu
 290 295 300
 Gly Lys Pro Gly Asn Tyr Thr Asp Asn Lys Leu Met Asn Glu Cys Ile
 305 310 315 320
 Leu Asp Gln Phe Thr Leu Asp Glu Lys Tyr Arg Pro Thr Pro Thr Ser
 325 330 335
 Ile Ser Thr Ala Ala Glu Glu Thr Ala Thr Ala Thr Ala Thr Ser Asp
 340 345 350
 Gly Asp Ala Pro Ser Thr Thr Lys Pro Ile Phe Arg Glu Glu Thr Ala
 355 360 365
 Ser Pro Thr Pro Asn Ala Val Thr Lys Pro Ser Pro Asp Thr Ser Asp
 370 375 380
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Val Ala Phe

<210> 3
<211> 19
<212> PRT
<213> Trichoderma reesei

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<210> 4
<211> 1317
<212> DNA
<213> Trichoderma reesei

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<211> 438
<212> PRT
<213> Trichoderma reesei

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Asp Phe Gly Cys Asp Ile Asp Gly Ser Cys Pro Thr Asp Thr Ser Ser
35 40 45
Val Pro Leu Leu Ser Tyr Lys Gly Gly Asp Gly Ala Gly Gln Met Lys
50 55 60

His	Phe	Ala	Glu	Asp	Asp	Gly	Leu	Asn	Val	Phe	Arg	Ile	Ser	Ala	Thr
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Trp	Gln	Phe	Val	Leu	Asn	Asn	Thr	Val	Asp	Gly	Lys	Leu	Asp	Glu	Leu
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Asn	Trp	Gly	Ser	Tyr	Asn	Lys	Val	Val	Asn	Ala	Cys	Leu	Glu	Thr	Gly
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Ala	Tyr	Cys	Met	Ile	Asp	Met	His	Asn	Phe	Ala	Arg	Tyr	Asn	Gly	Gly
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Ile	Ile	Gly	Gln	Gly	Gly	Val	Ser	Asp	Asp	Ile	Phe	Val	Asp	Leu	Trp
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Val	Gln	Ile	Ala	Lys	Tyr	Tyr	Glu	Asp	Asn	Asp	Lys	Ile	Ile	Phe	Gly
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Cys	Gln	Lys	Val	Val	Thr	Ala	Ile	Arg	Lys	Ala	Gly	Ala	Thr	Ser	Gln
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Met	Ile	Leu	Leu	Pro	Gly	Thr	Asn	Phe	Ala	Ser	Val	Glu	Thr	Tyr	Val
	195						200					205			
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Ala	Gln	Asn	Lys	Ala	Ile	Ser	Glu	Asn	Ser	Asp	Val	Tyr	Ile	Gly	Phe
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Val	Gly	Trp	Gly	Ala	Gly	Ser	Phe	Asp	Thr	Ser	Tyr	Ile	Leu	Thr	Leu
305				310					315					320	
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Pro	Thr	Ser	Ile	Ser	Thr	Ala	Ala	Glu	Glu	Thr	Ala	Thr	Ala	Thr	Ala
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Thr	Ser	Asp	Gly	Asp	Ala	Pro	Ser	Thr	Thr	Lys	Pro	Ile	Phe	Arg	Glu
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Thr	Ser	Asp	Ser	Ser	Asp	Asp	Asp	Lys	Asp	Ser	Ala	Ala	Ser	Met	Ser
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Ala	Gln	Gly	Leu	Thr	Gly	Thr	Val	Leu	Phe	Thr	Val	Ala	Ala	Leu	Gly
		420						425					430		
Tyr	Met	Leu	Val	Ala	Phe										
		435													